

FIG. 1

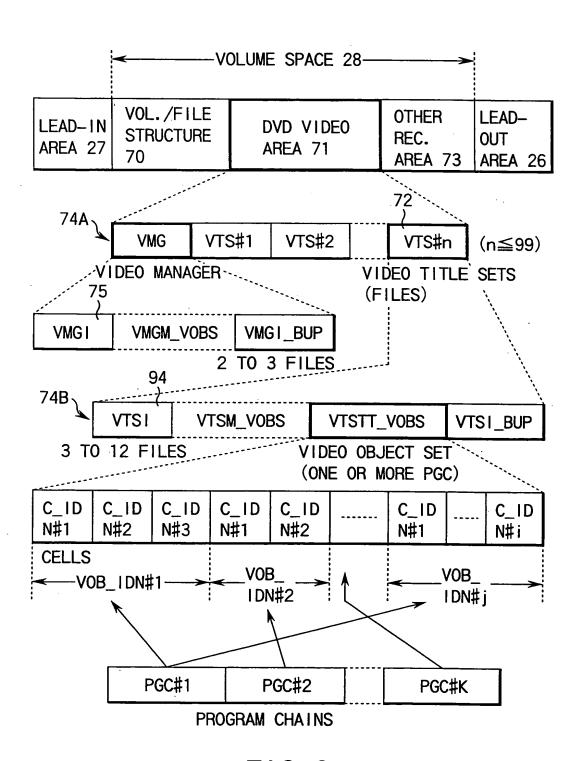


FIG. 2

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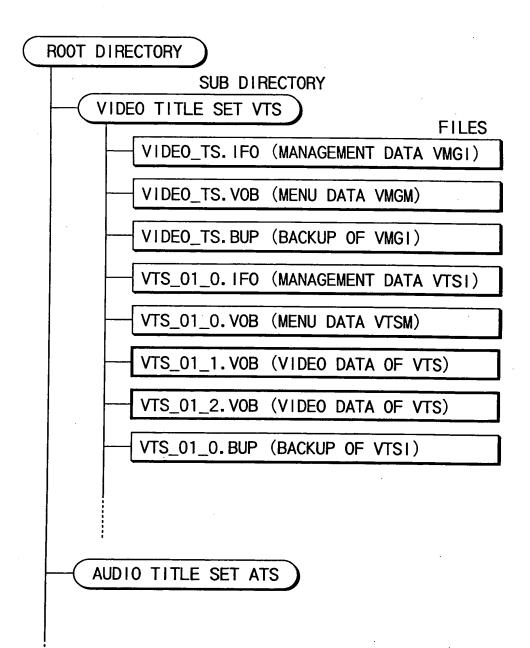
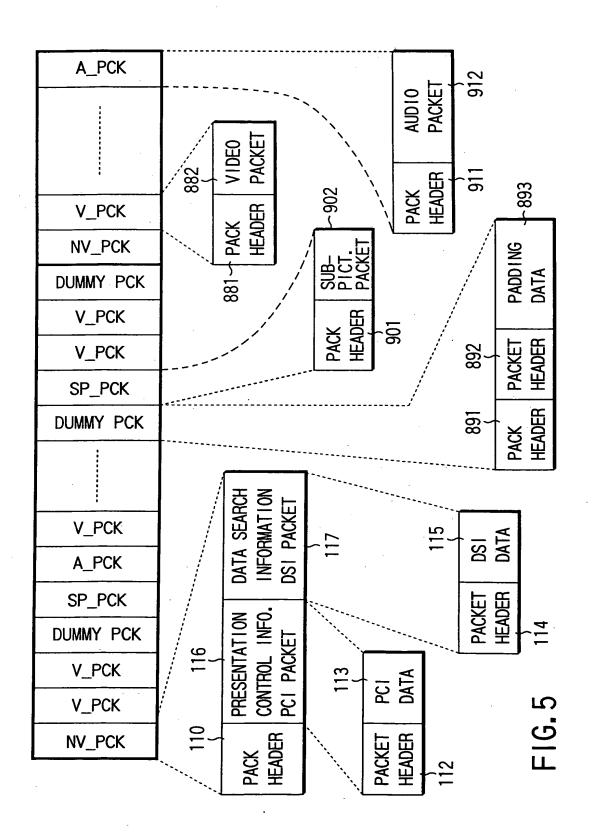


FIG. 3

	<u> </u>]·····		1		7		1	A 500	7 _
			ECT		\bigcirc		ECT		A_PCK	<u> </u>
			VIDEO OBJECT		CELL (C_IDN#i)		VIDEO OBJECT UNIT VOBU			TWO TYPES OF VOBU; ONE WITH NV PCK, & THE OTHER WITHOUT NV PCK)
									V_PCK	置
								8	NV_PCK] [5
	OBS)								DUMMY PCK	 ≈
	л <u>_</u> Т		,						V_PCK	ڳ
	(VTS						C.		V_PCK	≥
	OBS (OB JE	VIDEO OBJECT UNIT VOBU	08JE	SP_PCK	上三
	ET V						DEO IT V		DUMMY PCK	N N N
	VIDEO OBJECT SET VOBS (VTSTT_VOBS)		CT		CELL (C_IDN#2)		ECT			F VOBU;
			VIDEO OBJECT VOB_IDN#2		ELL				V_PCK	ES 0
	>		VIDEO OBJI		0		VIDEO OBJ UNIT VOBU	91	A_PCK	7
			N				N	8	SP_PCK	<u>≥</u>
			CT		DN#1		СТ	85	DUMMY PCK	ARE
			VIDEO OBJECT VOB_IDN#1		. (C_IDN#1)		VIDEÓ OBJECT UNIT VOBU		V_PCK	THERE
⁸⁵		83	VIDEO OB.	84	CELL	85	VIDEÓ OBJ UNIT VOBU	88-	V_PCK	
			N 0V		J		> S	98	NV_PCK	(NOTE:

F16.4



CONTENTS OF PRESENTATION CONTROL INFORMATION PCI

SYMBOL	CONTENTS
PCI_GI	PCI GENERAL INFORMATION
NSML_AGL I	ANGLE INFO. FOR NONSEAMLESS
HLI	HIGHLIGHT INFORMATION
RECI	RECORDING INFORMATION

FIG.6

CONTENTS OF PRESENTATION CONTROL INFORMATION GENERAL INFORMATION PCI_GI

CVMDOL	CONTENTS
SYMBOL	CONTENTS
NV_PCK_LBN	LOGICAL BLOCK NUMBER OF NAVIGATION PACK
VOBU_CAT	CATEGORY OF VOBU
RESERVED	RESERVED
VOBU_UOP_CTL	USER OPERATION CONTROL OF VOBU
VOBU_S_PTM	START PTM OF VOBU
VOBU_E_PTM	END PTM OF VOBU
VOBU_SE_E_PTM	END PTM OF SEQUENCE END IN VOBU
C_ELTM	CELL ELAPSE TIME
RESERVED	RESERVED

FIG. 7

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VIDEO TITLE SET VIDEO TITLE SET INFO. VTS 72 (FILE 74B) MANAGEMENT TABLE VIDEO TITLE SET VTSI MAT - 94 VIDEO TITLE SET PART INFO. VTSI OF_TITLE SEARCH POINTER VIDEO OBJECT SET TABLE VTS_PTT_SRPT FOR VIDEO TITLE VIDEO TITLE SET PROGRAM SET MENU CHAIN INFORMATION TABLE VTSM VOBS VTS PGCIT VIDEO OBJECT SET VIDEO TITLE SET MENU FOR VIDEO TITLE PGCI UNIT TABLE SET TITLE VTSM_PGCI_UT VTSTT_V0BS VIDEO TITLE SET BACKUP OF VIDEO TIME MAP TABLE TITLE SET INFO. VTS TMAPT VTS1_BUP VIDEO TITLE SET MENU CELL ADDRESS TABLE VTSM_C_ADT VIDEO TITLE SET MENU VIDEO OBJECT UNIT ADDRESS MAP VTSM_VOBU ADMAP VIDEO TITLE SET CELL ADDRESS TABLE VTS_C_ADT VIDEO TITLE SET VIDEO

FIG.8

OBJECT UNIT ADDRESS MAP VTS VOBU ADMAP

Page 8 of 41

VIDEO TITLE SET INFO. VTSI 94
VIDEO TITLE SET INFO. MANAGEMENT TABLE
VTSI_MAT
VIDEO TITLE SET PART_ OF TITLE SEARCH POINTER
TABLE VTS_PTT_SRPT
VIDEO TITLE SET PROGRAM
CHAIN INFORMATION TABLE
VTS_PGCIT
VIDEO TITLE SET MENU
PGCI UNIT TABLE
VTSM_PGCIT_UT
VIDEO TITLE SET
TIME MAP TABLE
VTS_TMAPT
VIDEO TITLE SET MENU
CELL ADDRESS TABLE
VTSM_C_ADT
VIDEO TITLE SET MENU
VIDEO OBJECT UNIT
ADDRESS MAP
VTSM_VOBU_ADMAP
VIDEO TITLE SET CELL
ADDRESS TABLE
VTS_C_ADT
VIDEO TITLE SET VIDEO
OBJECT UNIT ADDRESS
MAP_VTS_VOBU_ADMAP

VIDEO TITLE SET PROGRAM CHAIN INFO. TABLE INFORMATION VTS_GCITI VIDEO TITLE SET PROGRAM CHAIN INFO. SEARCH POINTER #1 VTS_PGCI_SRP#1 VIDEO TITLE SET PROGRAM CHAIN INFO. SEARCH POINTER #n VTS_PGCI_SRP#n VIDEO TITLE SET PROGRAM CHAIN INFO. VTS PGCI VIDEO TITLE SET PROGRAM CHAIN INFO. VTS_PGCI

STRUCTURE OF PROGRAM CHAIN INFO. PGCI

OTTOCTOTIC OF THOOTIAN CHATNETHEO.	
PROGRAM CHAIN GENERAL INFO.	
PGC_G1	
PROGRAM CHAIN COMMAND TABLE	
PGC_CMDT	
PROGRAM CHAIN PROGRAM MAP	
PGC_PGMAP	
CELL PLAYBACK INFO. TABLE	•
C_PBIT	
CELL POSITION INFO. TABLE	
C_POSIT	

FIG. 10

CONTENTS OF CELL PLAYBACK INFO. TABLE C_PBIT

٠.	
	CELL PLAYBACK INFO. #1
	(C_PBI#1)
	CELL PLAYBACK INFO. #2
	(C_PBI#2)
	· · · · · · · · · · · · · · · · · · ·
Ì	CELL PLAYBACK INFO. #n
Į	(C_PBI#n)

FIG. 11

CONTENTS OF CELL PLAYBACK INFORMATION C_PBI

SYMBOL	CONTENTS
C CAT	
<u> </u>	CELL CATEGORY
C_PBTM	CELL PLAYBACK TIME
C_FV0BU_SA	START ADR. OF 1ST VOBU IN CELL
C_FILVU_EA	END ADR. OF 1ST ILVU IN CELL
C_LVOBU_SA	START ADR. OF LAST VOBU IN CELL
C_LVOBU_EA	END ADR. OF LAST VOBU IN CELL
CELL TYPE	ERASION LEVEL FLAG 00h=PLAYBACK IS PERMITTED & AUTOMATIC ERASION IS PROHIBITED 01h=PLAYBACK IS PERMITTED &
	AUTOMATIC ERASION IS PROHIBITED

FIG. 12

1	b31 b30	CON b29 b28	ITENTS OF (b27	CELL CATEGO b26	RY C_CAT b25	b24	
	CELL BLOCK MODE	CELL BLOCK TYPE	SEAMLESS PLAYBACK FLAG	INTER- LEAVED ALLOCATION FLAG	STS DISCONTI- NUITY FLAG	SEAMLESS ANGLE CHANGE FLAG	
	b23	b2	22 k	o21 b2	0	b16	
{	RESERVED	CELL BACK	PLAY- ACC	ESS TRICTION FL	.AG C	ELL TYPE	
	b15					b8	
	CELL STILL TIME						
	b7	·				b0	
			CELL CO	DMMAND NUMBI	ER	·	

FIG. 13

CONTENTS OF PROGRAM CHAIN GENERAL INFO. PGC_GI

SYMBOL	CONTENTS
PGC_CNT	PGC CONTENTS
PGC_PB_TM	PGC PLAYBACK TIME
PGC_UOP_CTL	PGC USER OPERATION CONTROL
PGC_AST_CTLT	PGC AUDIO STREAM CONTROL TABLE
PGC_SPST_CTLT	PGC SUB-PICT. STREAM CONTROL TABLE
PGC_NV_CTL	PGC NAVIGATION CONTROL
PGC_SP_PLT	PGC SUB-PICTURE PALETTE
PGC_CMDT_SA	START ADR. OF PGC COMMAND TABLE
PGC_PGMAP_SA	START ADR. OF PROGRAM MAP
C_PBIT_SA	START ADR. OF CELL PLAYBACK TABLE
C_POSIT_SA	START ADR. OF CELL POS. INFO. TABLE

FIG. 14

CONTENTS OF PGC GENERAL INFO. PGC_GI FOR TRASH PGC

SYMBOL	CONTENTS
PGC_CNT	PGC CONTENTS
PGC_PB_TM	PGC PLAYBACK TIME
PGC_UOP_CTL	PGC USER OPERATION CONTROL
PGC_AST_CTLT	PGC AUDIO STREAM CONTROL TABLE
PGC_SPST_CTLT	PGC SUB-PICT. STREAM CONTROL TABLE
PGC_NV_CTL	PGC NAVIGATION CONTROL
PGC_SP_PLT	PGC SUB-PICTURE PALETTE
PGC_CMDT_SA	START ADR. OF PGC COMMAND TABLE
PGC_PGMAP_SA	START ADR. OF PROGRAM MAP
C_PBIT_SA	START ADR. OF CELL PLAYBACK TABLE
C_POSIT_SA	START ADR. OF CELL POS. INFO. TABLE
TRASH_PGC_FLG	TRASH PGC FLAG 01h=TRASH PGC 00h=CONVENTIONAL PGC

FIG. 15

CONTENTS OF C_PBI FOR TRASH PGC

SYMBOL	CONTENTS
C_CAT	PGC CATEGORY
C_PBTM	PGC PLAYBACK TIME
C_FV0BU_SA	START ADR. OF 1ST VOBU IN CELL
C_FILVU_EA	END ADR. OF 1ST ILVU IN CELL
C_LVOBU_SA	START ADR. OF LAST VOBU IN CELL
C_LV0BU_EA	END ADR. OF LAST VOBU IN CELL
PGC_N	ORIGINAL PGC NUMBER OF CURRENT CELL
C_ID_N	CORRESPONDING CELL NUMBER OF ORIGINAL PGC

FIG. 16

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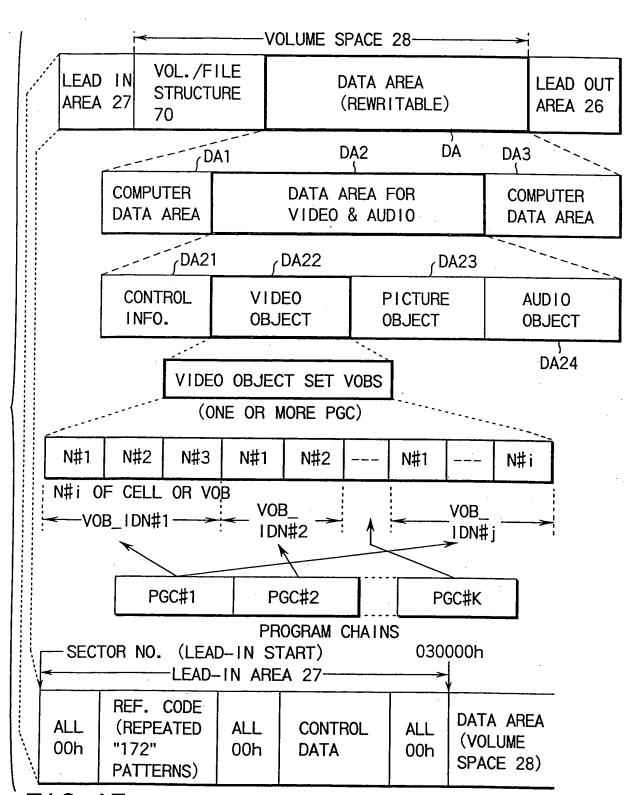


FIG. 17

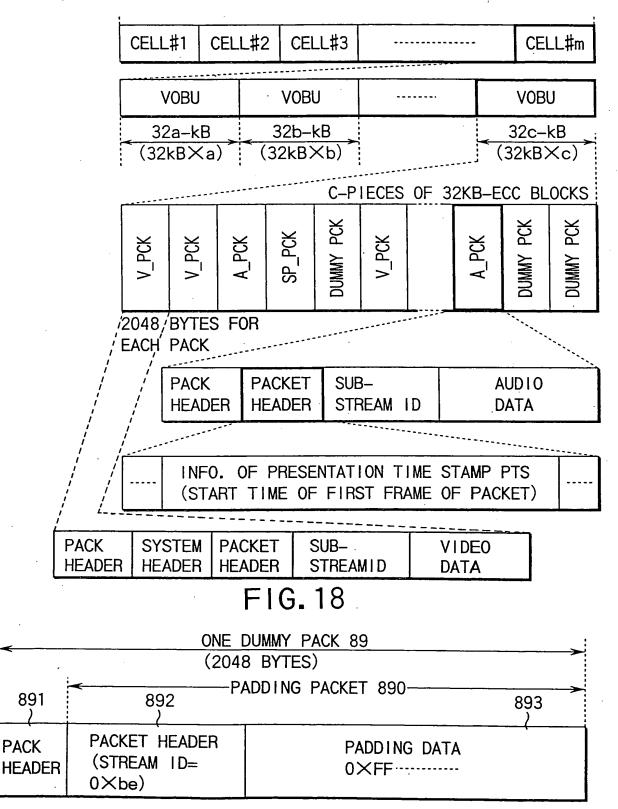


FIG. 19

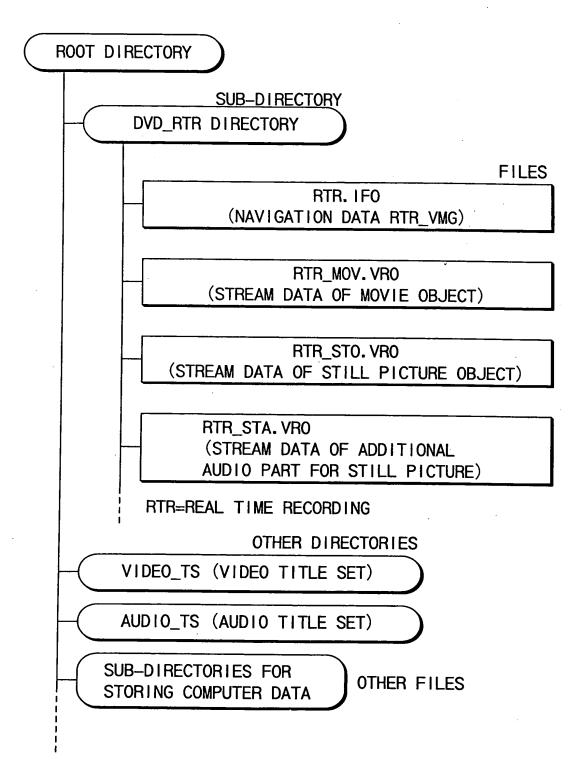


FIG. 20

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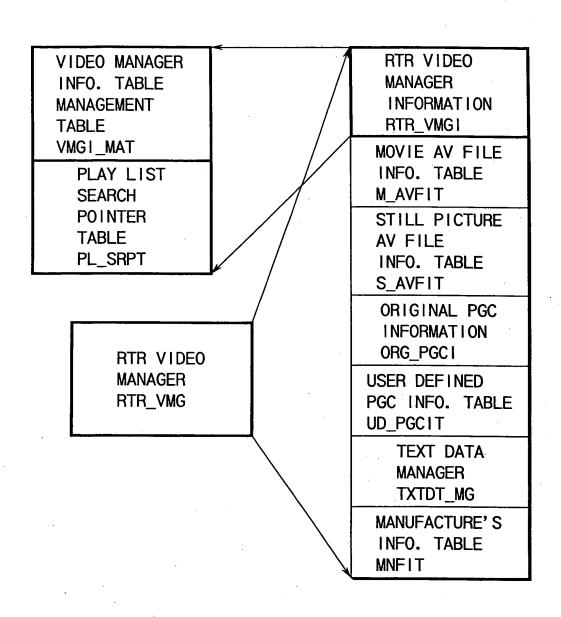
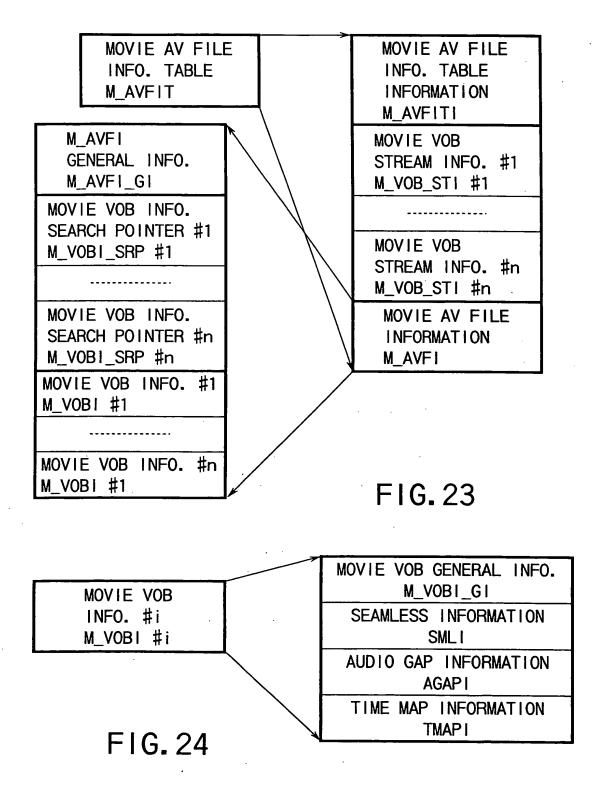


FIG. 21

CONTENTS OF VMGI_MAT

FIELD NAME VMG_ID VMG_ID VMG_ID VMG_ID VMG_ID RTR_VNG_EA END ADDRESS OF RTR_VMG RESERVED RESERVED VMGI_EA VERN VERSION NUMBER OF DVD SPEC. FOR VIDEO RECORDING RESERVED TM_ZONE STILL_TM STILL TIME FOR STILL PICTURES CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION REP_PICTI DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF IXTDT_MG NINELT_SA START ADDRESS OF TXTDT_MG NINELT_SA START ADDRESS OF TXTDT_MG		· · · · · · · · · · · · · · · · · · ·
RTR_VNG_EA RESERVED RESERVED VMGI_EA END ADDRESS OF RTR_VMG RESERVED VERN VERSION NUMBER OF DVD SPEC. FOR VIDEO RECORDING RESERVED TM_ZONE STILL_TM STILL TIME FOR STILL PICTURES CHRS CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION REP_PICTI DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	FIELD NAME	CONTENTS
RESERVED VMGI_EA END ADDRESS OF VMGI VERN VERSION NUMBER OF DVD SPEC. FOR VIDEO RECORDING RESERVED TM_ZONE STILL_TM STILL TIME FOR STILL PICTURES CHRS CHRS CHRACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION REP_PICTI DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	VMG_ID	VMG IDENTIFIER
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VERN VERSION NUMBER OF DVD SPEC. FOR VIDEO RECORDING RESERVED TM_ZONE STILL_TM STILL TIME FOR STILL PICTURES CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI TXTDT_MG_SA START ADDRESS OF TXTDT_MG	RESERVED	RESERVED
RESERVED RESERVED TIME ZONE STILL_TM STILL TIME FOR STILL PICTURES CHRS CHRS CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	VMGI_EA	END ADDRESS OF VMGI
TIME ZONE STILL_TM STILL TIME FOR STILL PICTURES CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	VERN	
TIME ZONE STILL_TM STILL TIME FOR STILL PICTURES CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	RESERVED	<u></u>
CHRS CHARACTER SET CODE FOR PRIMARY TEXT RSM_MRKI RESUME MARKER INFORMATION DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	TM_ZONE	TIME ZONE
RSM_MRKI RESUME MARKER INFORMATION REP_PICTI DISC REPRESENTATIVE PICTURE INFORMATION RESERVED RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	STILL_TM	STILL TIME FOR STILL PICTURES
REP_PICTI DISC REPRESENTATIVE PICTURE INFORMATION RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	CHRS	
REP_PICTI RESERVED RESERVED M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	RSM_MRK I	RESUME MARKER INFORMATION
M_AVFIT_SA START ADDRESS OF M_AVFIT S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	REP_PICTI	
S_AVFIT_SA START ADDRESS OF S_AVFIT RESERVED RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	RESERVED	RESERVED
RESERVED ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	M_AVFIT_SA	START ADDRESS OF M_AVFIT
ORG_PGCI_SA START ADDRESS OF ORG_PGCI UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	S_AVFIT_SA	START ADDRESS OF S_AVFIT
UD_PGCIT_SA START ADDRESS OF UD_PGCIT TXTDT_MG_SA START ADDRESS OF TXTDT_MG	RESERVED	RESERVED
TXTDT_MG_SA START ADDRESS OF TXTDT_MG	ORG_PGCI_SA	START ADDRESS OF ORG_PGC1
	UD_PGCIT_SA	START ADDRESS OF UD_PGCIT
MNELT CA CTART APPRECE OF MILLT	TXTDT_MG_SA	START ADDRESS OF TXTDT_MG
WINTII_SA START ADDRESS OF MINTIT	MNFIT_SA	START ADDRESS OF MNFIT
RESERVED RESERVED	RESERVED	RESERVED

FIG. 22



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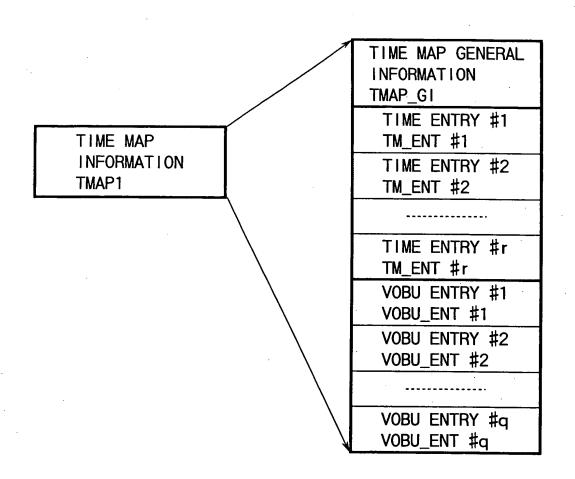


FIG. 25

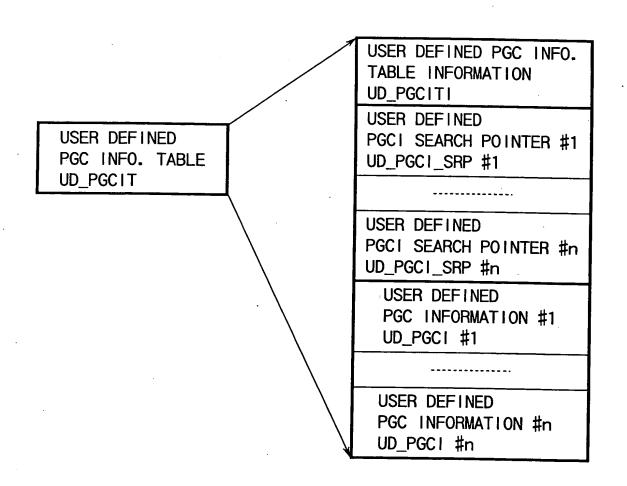


FIG. 26

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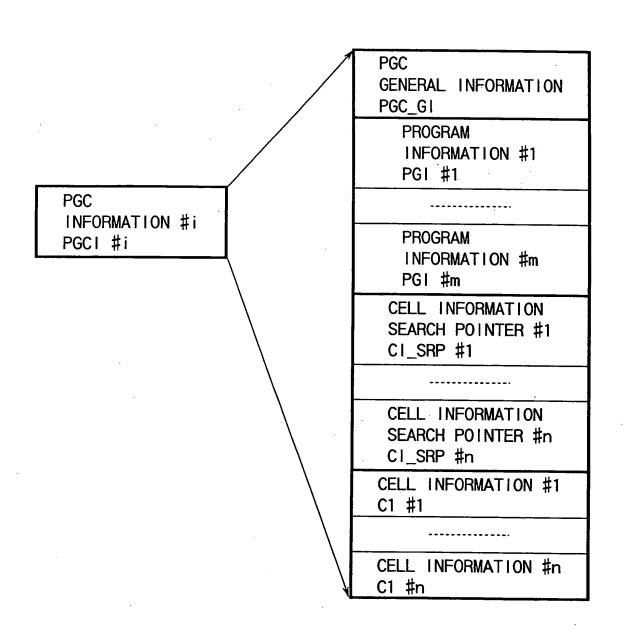


FIG. 27

CONTENTS OF PGC_GI

FIELD NAME	CONTENTS				
RESERVED	RESERVED				
PG_Ns	NUMBER OF PROGRAMS				
CI_SRP_Ns	NUMBER OF CI SEARCH POINTERS				
TRASH_PGC_FLG	TRASH PGC FLAG 01h=TRASH PGC 00h=CONVENTIONAL PGC				

FIG. 28

CONTENTS OF PGI

FIELD NAME	CONTENTS					
RESERVED	RESERVED					
PG_TY	PROGRAM TYPE					
C_Ns	NUMBER OF CELLS IN PROGRAM					
PRM_TXT1	PRIMARY TEXT INFORMATION					
IT_TXT_SRPN	ITEM TEXT SRP NUMBER					
THM_PTRI	THUMBNAIL POINTER INFORMATION					

FIG. 29

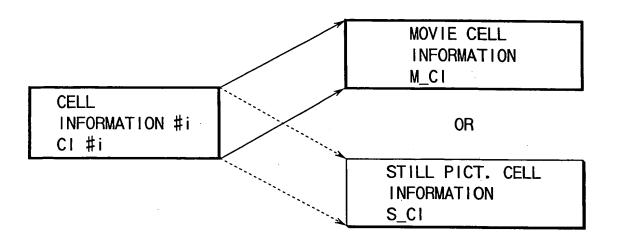


FIG. 30

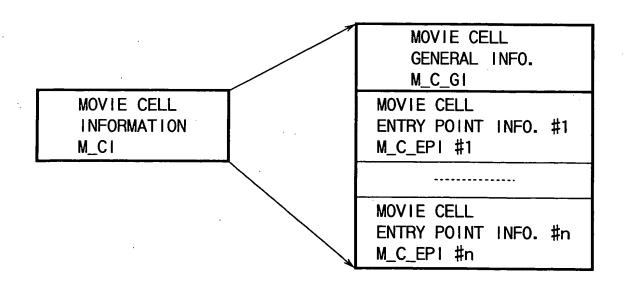


FIG. 31

CONTENTS OF M_C_GI

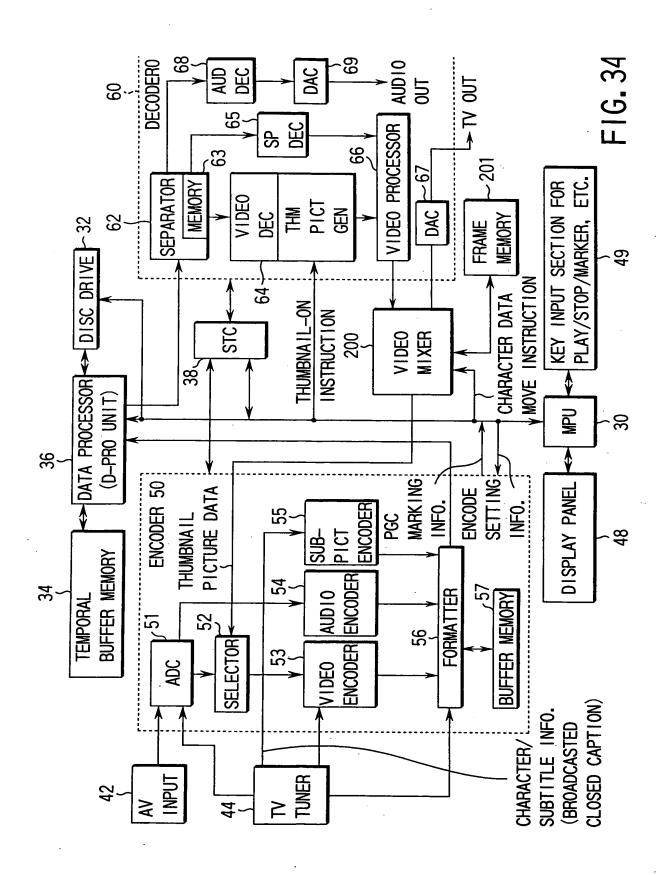
FIELD NAME	CONTENTS
RESERVED	RESERVED
C_TY	CELL TYPE
M_VOBI_SRPN	MOVIE VOBI SRP NUMBER
C_EPI_Ns	NUMBER OF CELL ENTRY POINT INFO.
C_V_S_PTM	PRESENTATION START TIME OF CELL
C_V_E_PTM	PRESENTATION END TIME OF CELL

FIG. 32

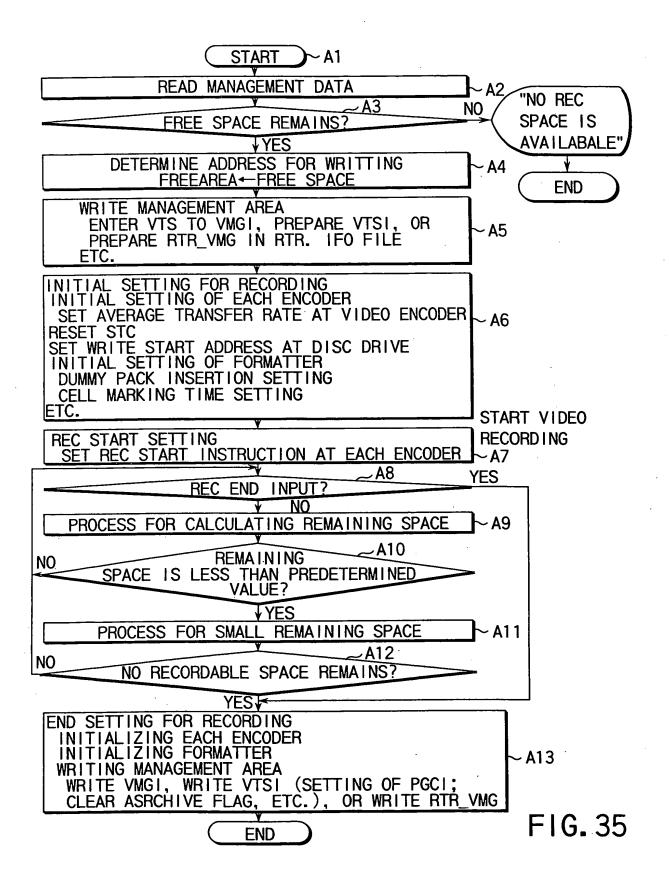
CONTENTS OF M_C_EPI

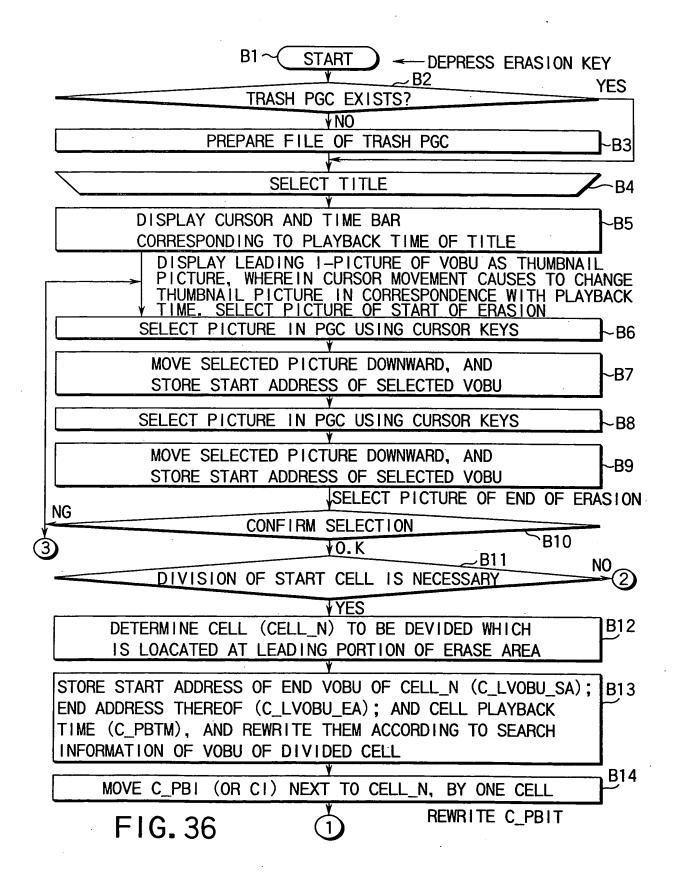
						_	
	FIELD NAME	CONTENTS			ENTS		
	EP_TY EN			NTRY POINT TYPE			
	EP_PTM	PTM OF ENTRY POINT					
	PRM_TXT1	PRIMARY TEXT INFORMATION			1		
ERASION LEVEL FLAG					INFORMATION TO	/PE	
TRASH PGC INFORMATION			\		INFORMATION DA	\TE	
ORIGINAL PGC NUMBER PGC_N & CORRESPONDING CELL NUMBER C_ID_N OF				CHARACTER INFO. (CONTENTS INFO.)			
ORIGINAL PGC)							

FIG. 33

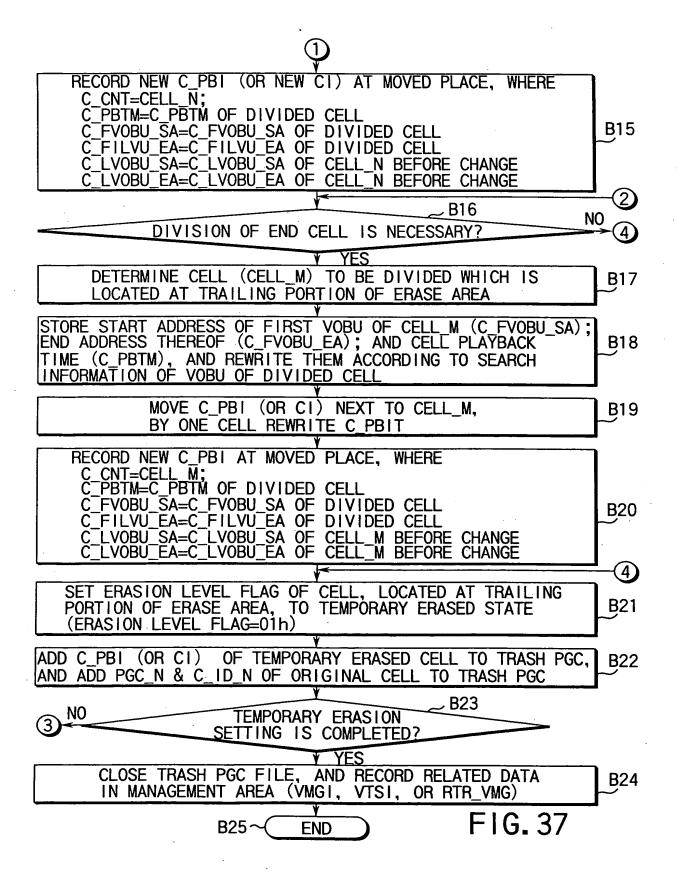


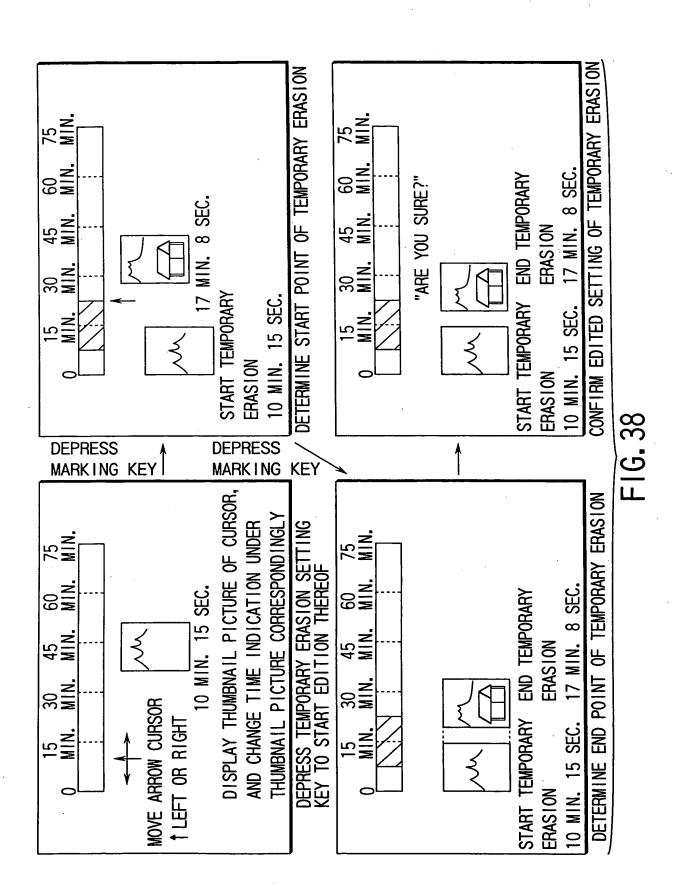
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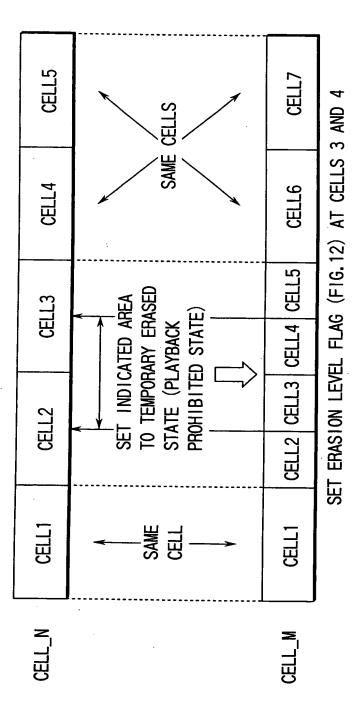
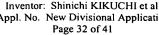
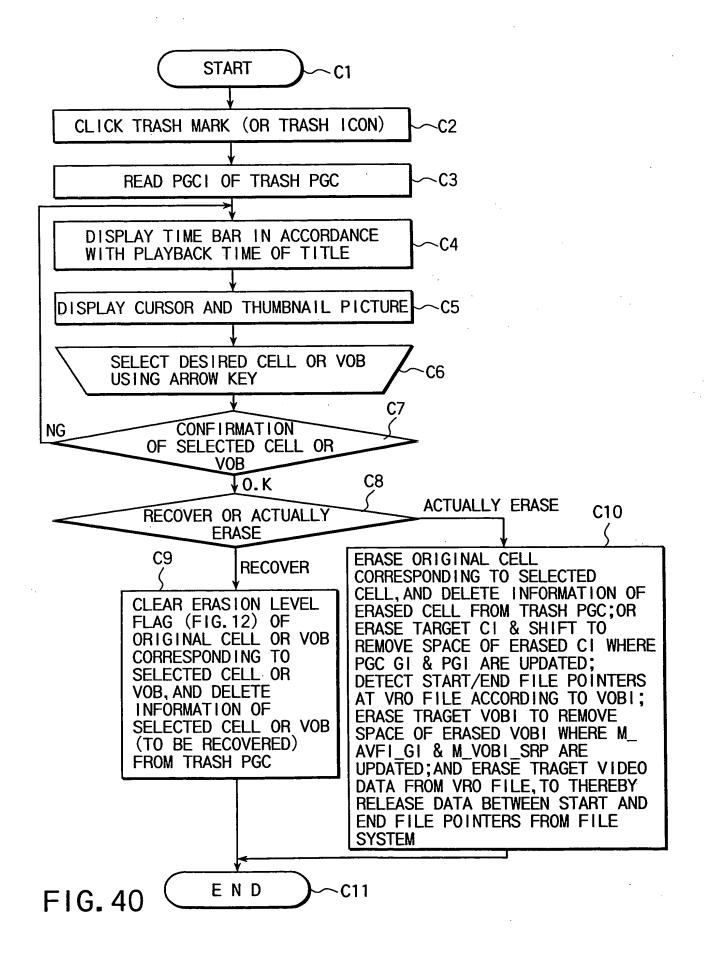
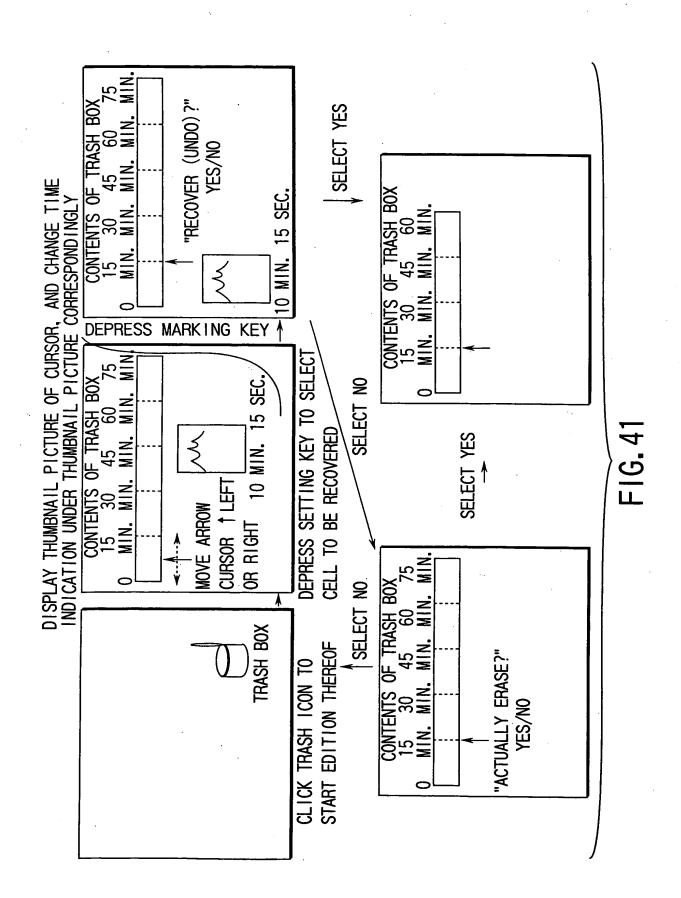
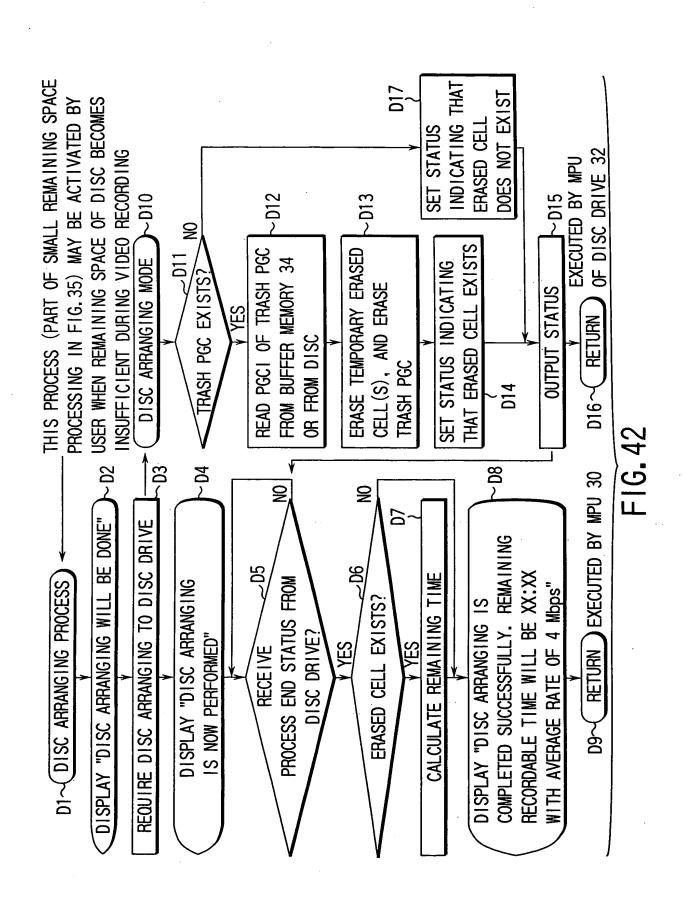


FIG. 39









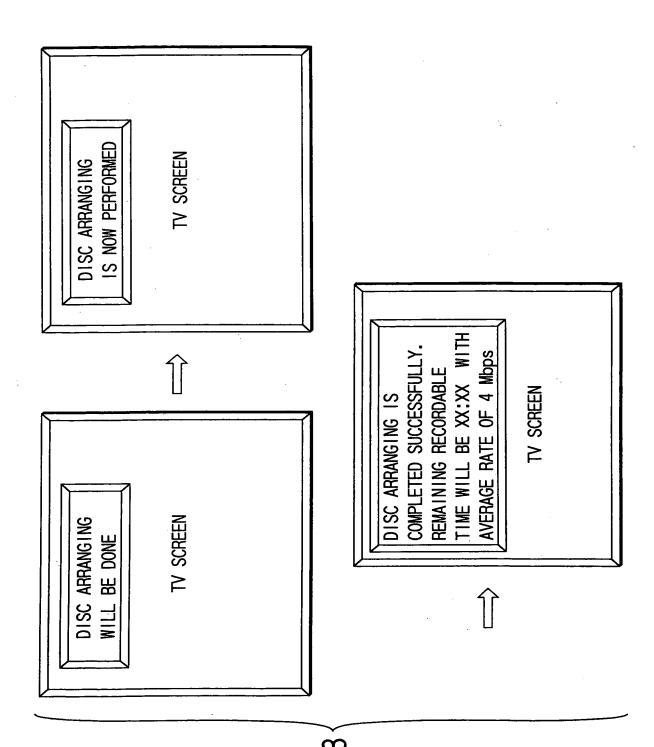
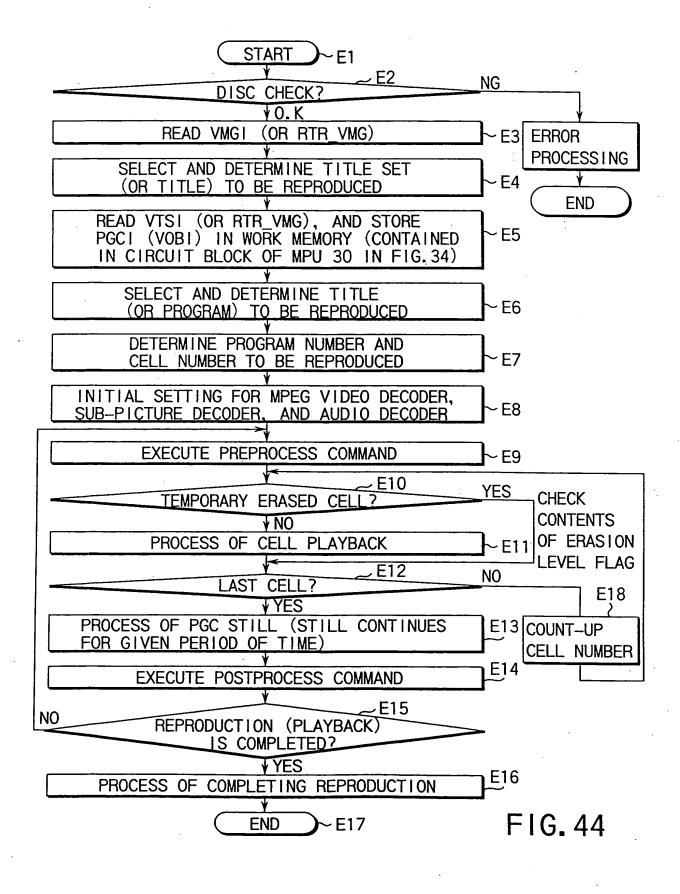
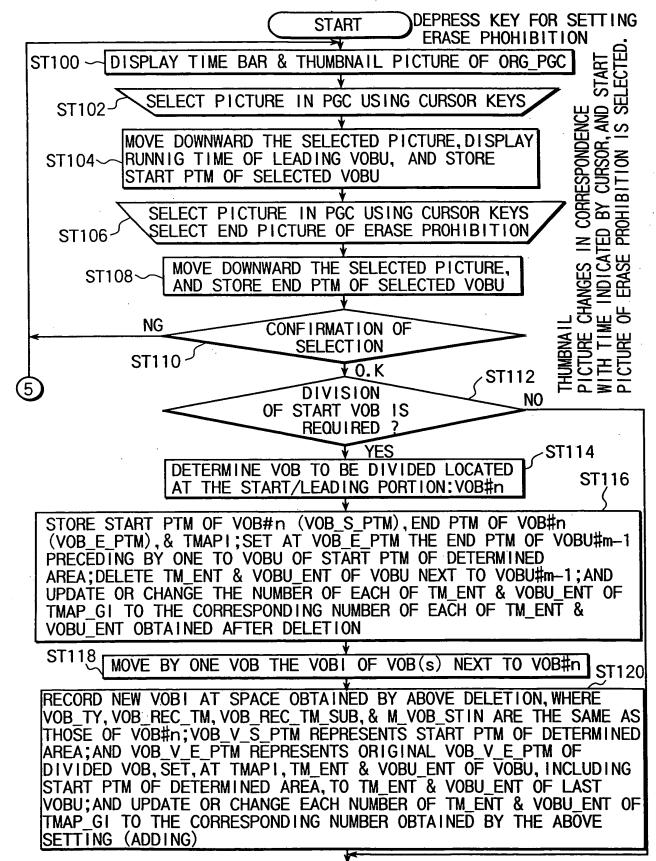
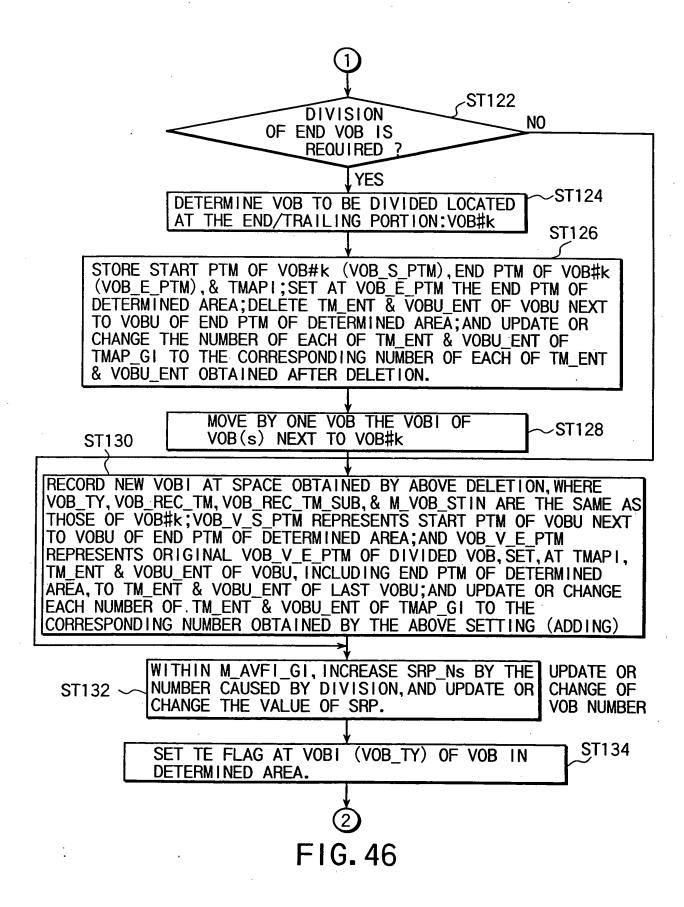


FIG. 43

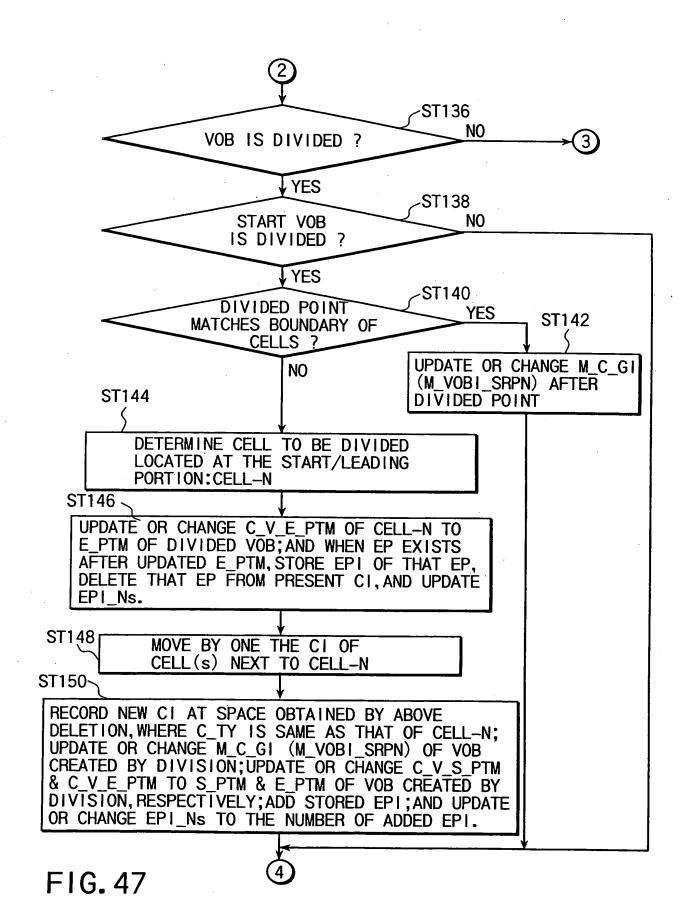




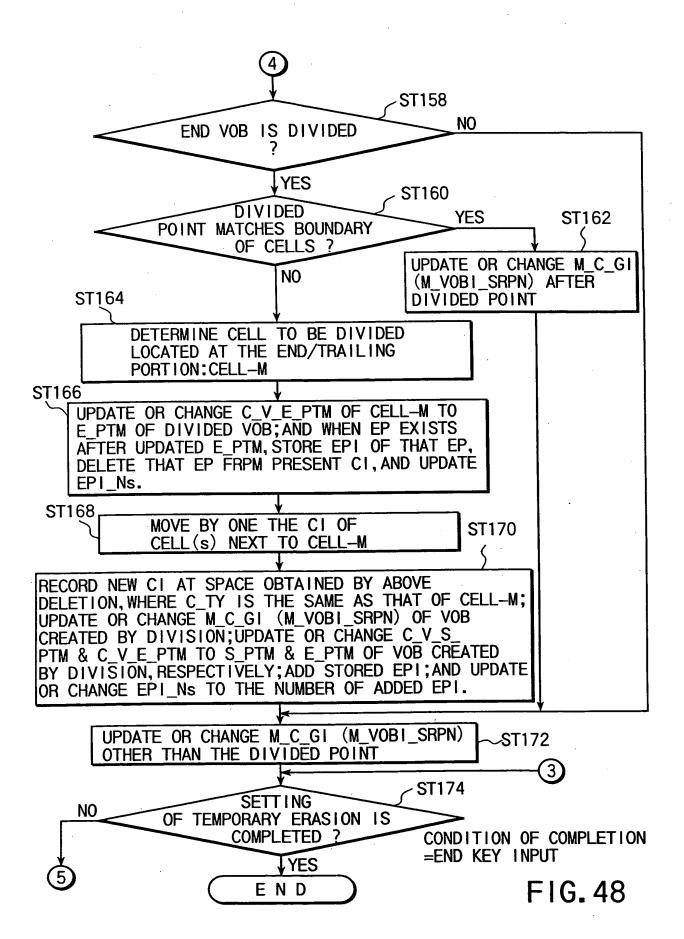
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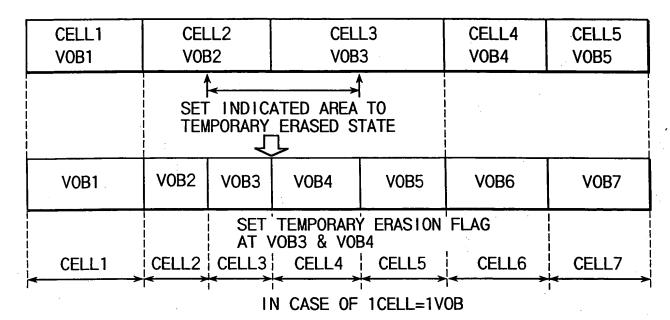


FIG. 49

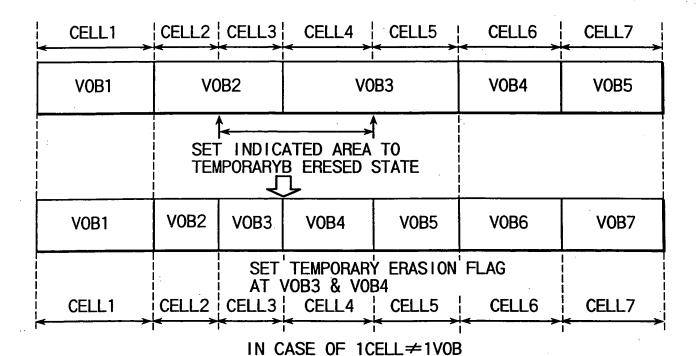


FIG. 50